

**Amendments to the Specification:**

Please replace the paragraph at page 7, lines 4-10 with the following amended paragraph:

A1  
In the context of a secondary index [[,]] 122, shown in Fig. 1, entries in the index may be updated as described below. For all rows in the list of blocks, to fix secondary index entries, the values for the following elements may be retrieved from the primary B+tree: a secondary index key, a primary key, and a DBA of the current block in the list. Then, the values may be sorted in order of the (secondary index key, primary key) pairs. Next, an index row corresponding to the (secondary index key, primary key) pair may be retrieved and its guess-DBA component is updated if it differs from the current DBA. The secondary index structure may include hybrid row identifiers.

A2  
Please replace the paragraph starting at page 9, line 22 and ending at page 10, line 7 with the following amended paragraph:

Memory 108 includes a plurality of blocks of data, such as new address block 112, leaf block 113, list block 114, database index 115, and ratio block 116, and a plurality of blocks of program instructions, such as processing routines 118 and operating system 120. New address block 112 stores a plurality of new addresses for rows split from a leaf block 113 that have been received by the database management system 100 as a database index 115 is modified. List block 114 stores a list of the new addresses as metadata for the database index 115.

AZ  
Ratio block 116 stores the ratio of database addresses to total number of leaf blocks 113 that may be used to evaluate invalid guess-DBAs. Processing routines 118 are software routines that implement the processing performed by the present invention. Operating system 120 provides overall system functionality.

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